## CLAIMS

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- 1. A lubricating system affixed to and rotating with a rotary shaft having a plurality of lubricated bearings, the lubricating system comprising:
  - a first bracket portion;
- a second bracket portion diametrically opposite said first bracket portion, and coplanar therewith;
- a third bracket portion, axially spaced apart from said first bracket portion and parallel thereto;
- a fourth bracket portion diametrically opposite said third bracket portion, and coplanar therewith;

each said bracket portion having a semicircular configuration with a first end, a second end opposite said first end, an inner diameter adapted for mounting on the rotary shaft, and an outer diameter larger than said inner diameter;

each said bracket portion further including at least one automatic lubricator passage disposed therethrough, between said inner diameter and said outer diameter;

an automatic lubricator disposed within each said automatic lubricator passage;

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LITMAN LAW OFFICES, LTD. P.O. BOX 15035 ARLINGTON, VA 22215 (703) 486-1000 a lubrication line extending from each said automatic lubricator to each of the rotary shaft bearings;

a plurality of bracket portion spacer fittings for securing together and spacing apart said first and said third bracket portion from one another, and for securing together and spacing apart said second and said fourth bracket portion from one another; and

a plurality of bracket portion clamp fittings for securing said first and said second bracket portion together and for securing said second and said fourth bracket portion together, and clamping the rotary shaft immovably within and relative to said first through said fourth bracket portion.

2. The lubricating system according to claim 1, wherein said plurality of bracket portion spacer fittings comprises:

at least one medial spacer disposed between said first and said third bracket portion and between said second and said fourth bracket portion;

each said medial spacer further including a threaded axial passage formed concentrically therethrough;

each said bracket portion further including at least one medial spacer attachment passage therethrough; and

a plurality of bracket assembly bolts securing each said bracket portion to each said medial spacer.

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21 LITMAN LAW OFFICES, LTD. P.O. BOX 15035 2 2 ARLINGTON, VA 22215 (703) 486-1000 2 3 3. The lubricating system according to claim 1, wherein said plurality of bracket portion clamp fittings comprises:

at least one first end spacer disposed between said first and said third bracket portion and between said second and said fourth bracket portion;

at least one second end spacer disposed between said first and said third bracket portion and between said second and said fourth bracket portion;

each said first end spacer and each said second end spacer further including a threaded axial passage formed concentrically therethrough and a passage formed diametrically therethrough;

each each said bracket portion further said end οf including at least one spacer attachment passage formed therethrough;

a plurality of bracket assembly bolts securing each said bracket portion to each said first end and second end spacer;

a plurality of bracket first end clamping bolts disposed diametrically through each said first end spacer;

a plurality of bracket second end clamping bolts disposed diametrically through each said second end spacer; and

each of said bolts having a head end and a nut secured opposite said head end and clamping corresponding said first end and said second end spacers therebetween, thereby clamping said

- 4. The lubricating system according to claim 1, further including a grommet disposed within each said automatic lubricator passage.
- 5. The lubricating system according to claim 1, wherein each said bracket portion further includes:
- a plurality of lubrication line clearance passages formed therethrough;
- a plurality of lubrication line anchor passages formed therethrough; and
- each of said lubrication line anchor passages further including a bulkhead fitting installed therein.
- 6. The lubricating system according to claim 1, wherein each said automatic lubricator is controlled by an internal timer.
- 7. The lubricating system according to claim 1, wherein each said automatic lubricator is controlled by an internal receiver receiving signals from an external transmitter.

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shaft.

8. The lubricating system according to claim 1, wherein

each said bracket portion is formed of aluminum.

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A rotating shaft having a plurality of lubricated bearings thereon and a lubricating system affixed thereto and rotating therewith, comprising in combination:

a rotating drive shaft having a first bearing end and a second bearing end opposite said first bearing end;

a first plurality of rotating bearings disposed at said first bearing end;

a second plurality of rotating bearings disposed at said second bearing end;

a first bracket portion;

second bracket portion opposite said first bracket portion, and coplanar therewith;

a third bracket portion, spaced apart from said first bracket portion and parallel thereto;

fourth bracket portion opposite said third bracket portion, and coplanar therewith;

each said bracket portion having a semicircular configuration with a first end, a second end opposite said first end, an inner diameter essentially equal to the diameter of the rotary shaft, and an outer diameter larger than said inner diameter;

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automatic lubricator passage disposed therethrough, between said inner diameter and said outer diameter;

each said bracket portion further including at least one

an automatic lubricator disposed within each said automatic lubricator passage;

lubrication line extending from each said automatic lubricator to each of said rotating bearings;

a plurality of bracket portion spacer fittings for securing together and spacing apart said first and said third bracket portion from one another, and for securing together and spacing apart said second and said fourth bracket portion from one another; and

a plurality of bracket portion clamp fittings for securing said first and said second bracket portion together and for securing said second and said fourth bracket portion together, and clamping said rotating drive shaft immovably within and relative to said first through said fourth bracket portion.

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10. The rotating shaft and lubricating system combination according to claim 9, wherein said plurality of bracket portion spacer fittings comprises:

at least one medial spacer disposed between said first and said third bracket portion and between said second and said fourth bracket portion;

each said medial spacer further including a threaded axial passage formed concentrically therethrough;

each said bracket portion further including at least one medial spacer attachment passage therethrough; and

a plurality of bracket assembly bolts securing each said bracket portion to each said medial spacer.

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11. The rotating shaft and lubricating system combination according to claim 9, wherein said plurality of bracket portion clamp fittings comprises:

at least one first end spacer disposed between said first and said third bracket portion and between said second and said fourth bracket portion;

at least one second end spacer disposed between said first and said third bracket portion and between said second and said fourth bracket portion;

each said first end spacer and each said second end spacer further including a threaded axial passage formed concentrically therethrough and a passage formed diametrically therethrough;

each said end of each said bracket portion further including at least one spacer attachment passage formed therethrough;

- a plurality of bracket assembly bolts securing each said bracket portion to each said first end and second end spacer;
- a plurality of bracket first end clamping bolts disposed diametrically through each said first end spacer;
- a plurality of bracket second end clamping bolts disposed diametrically through each said second end spacer; and

each of said bolts having a head end and a nut secured opposite said head end and clamping corresponding said first end

- 12. The rotating shaft and lubricating system combination according to claim 9, further including a grommet disposed within each said automatic lubricator passage.
- 13. The rotating shaft and lubricating system combination according to claim 9, wherein each said bracket portion further includes:
- a plurality of lubrication line clearance passages formed therethrough;
- a plurality of lubrication line anchor passages formed therethrough; and
- each of said lubrication line anchor passages further including a bulkhead fitting installed therein.
- 14. The rotating shaft and lubricating system combination according to claim 9, wherein each said automatic lubricator is controlled by an internal timer.

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The rotating shaft and lubricating system combination 15. according to claim 9, wherein each said automatic lubricator is controlled by an internal receiver receiving signals from an external transmitter.

- The rotating shaft and lubricating system combination 16. according to claim 9, wherein each said bracket portion is formed of aluminum.
- The rotating shaft and lubricating system combination 17. according to claim 9, wherein said first and said second plurality of rotating bearings disposed respectively at said first and said second bearing end of said rotating drive shaft, each comprise a plurality of universal joint trunnion bearings.

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